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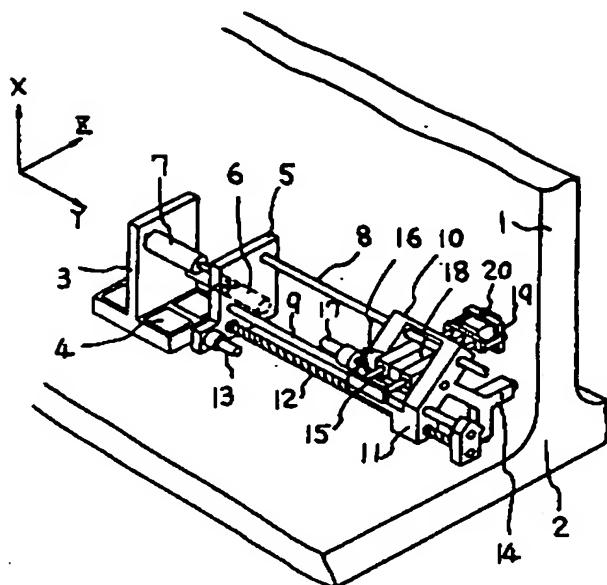
APPLICATION DATE : 05-04-85
 APPLICATION NUMBER : 60070900

APPLICANT : HITACHI ENG CO LTD;

INVENTOR : ARAI KATSUMI;

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TITLE : AUTOMATIC ULTRASONIC FLAW
 INSPECTING DEVICE



ABSTRACT : PURPOSE: To follow a corner part R even if a curved surface changes by applying force pressing always a main roller to the R part to said roller installed in the vicinity of a probe drive part.

CONSTITUTION: An automatic ultrasonic flaw inspecting device is temporarily fixed by a magnet 4 fitted on a supporting stand 3. An arm 5 is linked by the supporting stand 3, a joint 6 slewing freely in two directions and an air cylinder 7, and the probe drive part 10 slides in a direction Y with guide bars 8 and 9 as a guide. A ball screw 12 fitted through a ball nut 11 fitted on the probe drive part 10 is rotated by a motor 13. A roller part 14 is fitted on the probe drive part 10. A slider unit 15 fitted in such a way that it can rotate freely around an Y axis is rotated by rotating a pinion engaged with a fan gear 16 by the motor 17. The slider unit 15 includes the air cylinder 18, extracts a probe holder 19 and presses the probe 20 to the R part.

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